



NCR: Yes / No

DQA: Date: . . .

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS							
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other						
Part No. _____													
NCR No. _____													
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
Landing Gear				General									
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
												<input type="checkbox"/> Other	

**Work Order ID 88734**

August-01-12 10:16:04 AM

**\*88734\***

Page 2

Item ID: D350-578-017

Accept

**\*N900040100\***

Setup

Start

**\*NS1\***

Revision ID:

Item Name: Bearpaw (No Pockets)

Stop

**\*NS2\***

Start Date: 01/08/2012 Start Qty: 2.00

**\*2\***

Cust Item ID:

Required Date: 15/08/2012 Req'd Qty: 2.00

**\*2\***

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	<b>*NR1*</b>
						Stop	<b>*NR2*</b>

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180 <b>*180*</b> Packaging	Packaging	0.00							<i>12/10/12 ④</i>
Packaging	<b>Memo</b> Identify and pack for shipping as per PPP D350-578-017 Location: _____	0.00							
190 <b>*190*</b> QC	QC21- Final Inspection - Work Order Release	0.00							<i>12/10/12</i>
Quality Control	<b>Memo</b>	0.00							<i>MF 12-10-2</i>

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear				General						
				Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>		
Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>						
Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>						
Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>						
Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>							
Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>							
Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>						
Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>								
Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>								
Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>								
Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>								

# Picklist Print

August-01-12 10:16:12 AM

Work Order ID: 88734

Parent Item: D350-578-017

Parent Item Name: Bearpaw (No Pockets)

\*88734\*  
\*D350-578-017\*

Start Date: 01/08/2012

Start Qty: 2.00

Required Date: 15/08/2012

Required Qty: 2.00

Page 1  
3

Comments: IPP REV:A NEW ISSUE 12-07-25 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2274 Radius Block		Manufactured	No				Each	42.0000	24	**			

Location	Loc Qty	Loc Code
ST009	42	
86348	42	

D2529 Washer		Manufactured	No				Each	474.0000	24	**			
-----------------	--	--------------	----	--	--	--	------	----------	----	----	--	--	--

Location	Loc Qty	Loc Code
ST010	474	
79485	18	
86909	456	

D4011-1 Clamp, Short		Manufactured	No				Each	5.0000	12	**			
-------------------------	--	--------------	----	--	--	--	------	--------	----	----	--	--	--

Location	Loc Qty	Loc Code
ST460	5	
83163	5	

D4012-1 Cushion		Manufactured	No				Each	18.0000	12	**			
--------------------	--	--------------	----	--	--	--	------	---------	----	----	--	--	--

Location	Loc Qty	Loc Code
ST459	10	
83165	10	
ST460	8	
69840	5	
73299	3	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled						

# Picklist Print

August-01-12 10:16:12 AM

Page 2

Work Order ID: 88734

Parent Item: D350-578-017

Parent Item Name: Bearpaw (No Pockets)

\*88734\*  
\*D350-578-017\*

Start Date: 01/08/2012

Start Qty: 2.00

Required Date: 15/08/2012

Required Qty: 2.00

D4297-3

S ✓ \*D4297-3\*

Bearpaw

AN4-20A

S ✓ \*AN4-20A\*

Bolt

Manufactured No

Each 0.0000

4  
\*\*

388735

SP

Purchased No

Each 498.0000

24  
\*\*

SP

## Location

## Loc Qty

## Loc Code

GA	50	
116419	50	
ST357	288	
122416	288	
ST359	160	
117514	51	
121060	1	
121541	108	

Each 29.0000

24  
\*\*

SP

AN960JD416

NAS1149D0463J Purchased

No

## Location

## Loc Qty

## Loc Code

ST351	29	
116289	8	
119097	21	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS										
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>								
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>								
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>								
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>									
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector						
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Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	

# Picklist Print

August-01-12 10:16:12 AM

Page 3

Work Order ID: 88734

Parent Item: D350-578-017

Parent Item Name: Bearpaw (No Pockets)

\*88734\*  
\*D350-578-017\*

Start Date: 01/08/2012

Start Qty: 2.00

Required Date: 15/08/2012

Required Qty: 2.00

MS21042L4

Purchased

No

Each

5,883.000



24

\*\*

SP 129-25.

S  
n  
Nut  
\*MS21042L4\*

Location	Loc Qty	Loc Code
314	5000	24X
122452	5000	
ST300	883	
104248	1	
116823	8	
119075	116	
121011	193	
121444	565	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						

# DART SERVICE INSTRUCTION

## TO AMEND INSTALLATION INSTRUCTIONS D350-578 Rev. F AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1

REF CANADIAN STC: SH93-4  
REF FAA STC: SR00028NY, SR00029NY  
REF EASA STC: EASA.10016984  
REF ARGENTINIAN STC: CTS-0508.13(A)

UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 88734/m  
10/80/21

SHOP COPY  
RETURN TO  
ENGINEERING

### 1.0 PURPOSE

The purpose of this Dart Service Instruction is to add the D350-578-015/-017 Bearpaw Kits to this approval. The D350-578-015/-017 Bearpaw Kits are designed to be compatible with D350-636-015/-016/-017/-018/-215/-216/-217/-218 Skidtubes equipped with training wearplates. The D350-578-015/-017 Bearpaw Kits are also compatible with the D350-636-XXX Skidtubes equipped with standard wearplates/wearshoes. The D350-578-015 Bearpaw Kit is based on the original D350-578-011 Bearpaw Kit while the D350-578-017 Bearpaw Kit is based on the D350-578-013 Bearpaw Kit which doesn't have the machined pockets.

### 2.0 INSTALLATION

To install D350-578-015/-017 Bearpaw Kit on Dart D350-636-XXX Skidtubes equipped with training wearplates refer to Figures 1 & 2 of this Service Instruction as well as the following:

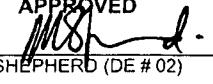
- 2.1 Jack up the aircraft and ensure the skidtubes are serviceable in accordance with ICA-D350-636.
- 2.2 Position D2432-3 or D4297-3 Bearpaw on the aft end of each skidtube so that the bearpaw clamps are located on either side of the aft saddle as shown in Figure 1 of this Service Instruction. The Bearpaws should be installed over the training wearplates.
- 2.3 Attach the D4011-1 clamps with the hardware shown in Figure 2 of this Service Instruction. Additional AN960JD416 (or NAS1149D0463J) washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN4-20A bolts with longer or shorter AN4 bolts, if required.

**CAUTION:** The torque on the nuts should be limited to 20 in-lb (2.3 Nm)

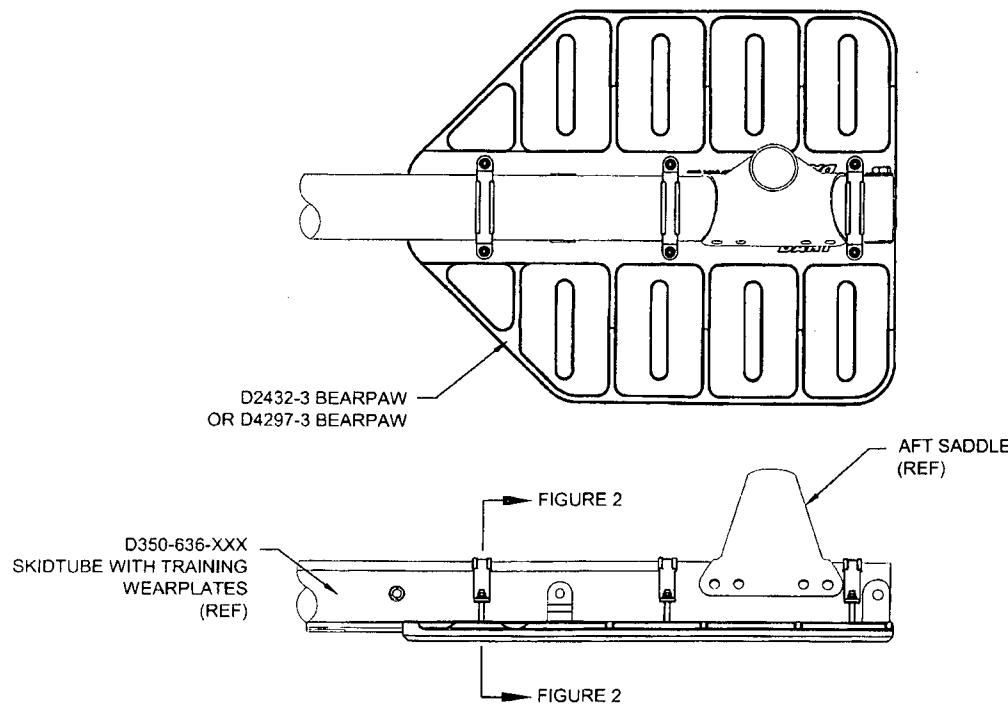
- 2.4 Lower the aircraft.
- 2.5 Update the aircraft log book to indicate installation of the D350-578-015/-017 Bearpaw and adjust the empty weight and balance record for the rotorcraft with the information given in section 5.0 of this service instruction.

### 3.0 MAINTENANCE

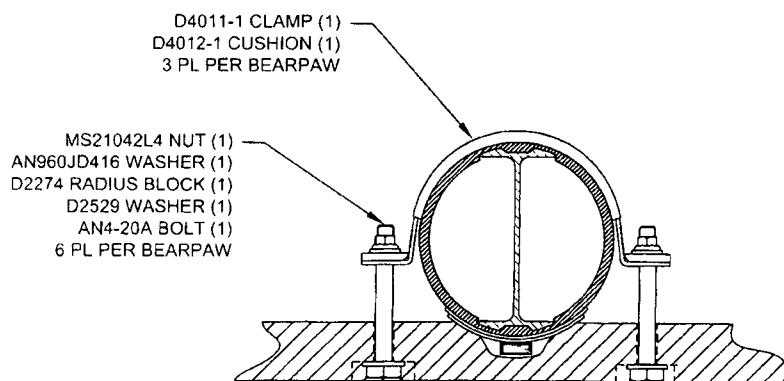
The D350-578-015/-017 Bearpaw Kit should be maintained in accordance with ICA-D350-578.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-0-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	12.05.17
CERT. NO.:	SH93-4
ISSUE NO.:	8

A	NEW ISSUE		AP	12.05.17
REV.	DESCRIPTION		BY	DATE
DESIGN	AP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN	AP			
CHECKED	QP	DRAWING NO.	REV. A	
MFG. APPR.	NA	DSI 9616	SHEET 1 OF 3	
APPROVED	140	TITLE	SCALE	NTS
DE APPR.		BEARPAW INSTALLATION		
DATE	12.05.17	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		



**Figure 1 - Bearpaw Location**  
(D350-578-015 Kit Shown, -017 Similar)



**Figure 2 - D4011-1 Clamp Installation**

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	12.05.17
CERT. NO.:	SH93-4
ISSUE NO.:	8

DESIGN	AP	DART AEROSPACE LTD	
DRAWN	AP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>90</i>	DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 2 OF 3
APPROVED	<i>100</i>	TITLE	SCALE
DE APPR.	<i>90</i>	BEARPAW INSTALLATION	
DATE	12.05.17	NTS	

88X34

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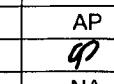
## 4.0 PARTS LIST

QTY -015	QTY -017	PART NUMBER	DESCRIPTION
X		D350-578-015	BEARPAW INSTALLATION
X		D350-578-017	BEARPAW INSTALLATION (No Pockets)
12	12	D2274	RADIUS BLOCK
12	12	D2529	WASHER
2		D2432-3	BEARPAW
6	6	D4011-1	CLAMP
6	6	D4012-1	CUSHION
	2	D4297-3	BEARPAW
12	12	AN4-20A	BOLT
12	12	AN960JD416	WASHER (NAS1149D0463J)
12	12	MS21042L4	NUT

## 5.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D350-578-015 Bearpaw installation	13.8 lb 6.26 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2167 in-lb 24.98 m-kg
D350-578-017 Bearpaw installation (No pockets)	18.6 lb 8.44 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2920 in-lb 33.68 m-kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	12.05.17
CERT. NO.:	SH93-4
ISSUE NO.:	8

DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW INSTALLATION	
DATE	12.05.17	NTS	

135-388

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# REFERENCE ONLY

## 4.0 PARTS LIST

QTY -015	QTY -017	PART NUMBER	DESCRIPTION
X		D350-578-015	BEARPAW INSTALLATION
	X	D350-578-017	BEARPAW INSTALLATION (No Pockets)
12	12	D2274	RADIUS BLOCK
12	12	D2529	WASHER
2		D2432-3	BEARPAW
6	6	D4011-1	CLAMP
6	6	D4012-1	CUSHION
	2	D4297-3	BEARPAW
12	12	AN4-20A	BOLT
12	12	AN960JD416	WASHER (NAS1149D0463J)
12	12	MS21042L4	NUT

## 5.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D350-578-015 Bearpaw installation	13.8 lb 6.26 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2167 in-lb 24.98 m-kg
D350-578-017 Bearpaw installation (No pockets)	18.6 lb 8.44 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157.0 in 3.99 m	2920 in-lb 33.68 m-kg

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	12.05.17
CERT. NO.:	SH93-4
ISSUE NO.:	8

DESIGN	AP	DART AEROSPACE LTD	
DRAWN	AP		
CHECKED	99	DRAWING NO.	REV. A
MFG. APPR.	NA	DSI 9616	SHEET 3 OF 3
APPROVED	109	HAWKESBURY, ONTARIO, CANADA	
DE APPR.	109		
DATE	12.05.17	TITLE	SCALE
		BEARPAW INSTALLATION	
NTS			

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